

Acanthodians from the Silurian-Devonian boundary beds of Novaya Zemlya Archipelago, Russia

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Abstract

© 2018, © 2018 Geologiska Föreningen. An acanthodian assemblage is reported for the first time from the Silurian-Devonian boundary beds of Novaya Zemlya Archipelago, Russia. The acanthodian scales and rare other vertebrate microremains were in a sample collected from the Reliktovoe Formation of the western coast of Inostantzev Bay, North Island. The assemblage includes *Gomphonchus mediocostatus*, *Gomphonchoporus hoppei* taxa previously described from the Pridoli-Lochkovian of Laurussia, and *Taimyrolepis composita* occurred in the Lochkovian of Siberia. *Gomphonchus mediocostatus* and *Gomphonchoporus hoppei* are widely distributed in the Baltica palaeogeographic province, and *Taimyrolepis* is known from the Siberia province, indicating connection between those provinces.

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Keywords

Acanthodii, *Gomphonchoporus hoppei*, *Gomphonchus mediocostatus*, Novaya Zemlya, Pridoli-Lochkovian, Russia, *Taimyrolepis composita*

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